



ecology and environment, inc.

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International Specialists in the Environmental Sciences

DATE : July 15, 1983
TO : File/USEPA Region V *new*
FROM : Claude E. Mays, III/Environmental Scientist
SUBJECT: Preliminary Assessment
Illinois/TDD#R5-8212-01A-192
Decatur/Borg-Warner-York Automotive Division
ILD079152518

Attached is EPA's Preliminary Assessment Form 2070-12 for the above referenced site.

Primary information was gathered from the following source(s):

1. Illinois Environmental Protection Agency Central Region file - Springfield
- 2.
- 3.
- 4.

Information indicates the following responsible parties should be listed. They are listed here because of space limitations:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

EPA Region 5 Records Ctr.



296355

Presently, data gaps or no verification exists in the following key area(s):

1. If any contamination is present at the site - spent trichloroethylene is kept on site approximately 90 days and is shipped to a recycler. Spent TCE stored in containers (55 gallon drums) and a storage "shed". Waste handling practices.
- 2.
- 3.
- 4.
- 5.

A review of the available data indicates that additional information will be necessary to assess the impact(s) on:

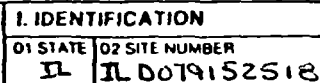
1. Groundwater
2. Surface water
3. Soil
- 4.
- 5.

Suggested methods/sources for obtaining additional information are:

1. On site inspection - sample(s) colling pond since TCE is most likely to persist in water than soil and the pond has no outlet or inlet.
2. If sample(s) reveal TCE contamination - hydrogeological study.
- 3.
- 4.

Notice of an apparent need for emergency action was transmitted to N/A on N/A by N/A.

<div style="margin-left: 20px;"> POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT </div>		I. IDENTIFICATION <small>01 STATE 02 SITE NUMBER</small> <div style="display: flex; justify-content: space-between;"> <u>IL</u> <u>IL 0079152518</u> </div>	
II. SITE NAME AND LOCATION			
01 SITE NAME (Legal, common, or descriptive name of site) <u>Borg-Warner Corp / York Automotive Division</u>		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER <u>625 South Side Drive</u>	
03 CITY <u>Decatur</u>	04 STATE <u>IL</u>	05 ZIP CODE <u>62525</u>	06 COUNTY <u>Macon</u>
07 COORDINATES LATITUDE <u>39° 49' 15.0"</u>		08 LONGITUDE <u>090° 58' 00.0"</u>	
09 DIRECTIONS TO SITE (Starting from nearest public road) <u>Rte 36 East-West to Rte 51 South. Stay on Rte 51 for ~1 mile, after crossing bridge bear right (west) onto Rte 48. Entrance to site is on the south side of the road ~1500 ft after turning onto Rte 48.</u>			
III. RESPONSIBLE PARTIES			
01 OWNER (If known) <u>Borg-Warner Corp. / York Automotive Division</u>		02 STREET (Business, making, residential) <u>625 South Side Drive</u>	
03 CITY <u>Decatur</u>	04 STATE <u>IL</u>	05 ZIP CODE <u>62525</u>	06 TELEPHONE NUMBER <u>(217) 428-7641</u>
07 OPERATOR (If known and different from owner) <u>Same as above</u>		08 STREET (Business, making, residential)	
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN			
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input checked="" type="checkbox"/> A. RCRA 3001 DATE RECEIVED: <u>8/19/80</u> MONTH DAY YEAR <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103(c)) DATE RECEIVED: <u>NONE</u> MONTH DAY YEAR <input type="checkbox"/> C. NONE			
IV. CHARACTERIZATION OF POTENTIAL HAZARD			
01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE <u>9/9/82</u> MONTH DAY YEAR <input type="checkbox"/> NO		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify)	
02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR _____ ENDING YEAR <u>Present</u> <input type="checkbox"/> UNKNOWN	
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED <u>Waste oils - non-hazardous</u> <u>Spent trichloroethylene from degreasing - Toxic/persistent/volatile</u> <u>Grinding sludge - non-hazardous</u>			
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION <u>Environmental - Groundwater, surface water contamination, sewer contamination</u> <u>Population - Air contamination (if spent TCE storage bldg goes up)</u> <u>Worker - contact with TCE (sprayed & repeated) if not properly attired and fumes from decomposition products if TCE contacts with hot metal and UV radiation</u>			
V. PRIORITY ASSESSMENT			
01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)			
VI. INFORMATION AVAILABLE FROM			
01 CONTACT <u>Mark Honey</u>		02 OF (Agency/Organization) <u>Illinois EPA, Springfield ofc.</u>	
03 TELEPHONE NUMBER <u>(217) 786-6892</u>		04 PERSON RESPONSIBLE FOR ASSESSMENT	
05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
		<u>()</u>	<u> </u> / <u> </u> / <u> </u> MONTH DAY YEAR



☒ I. HIGHLY VOLATILE
☐ J. EXPLOSIVE
☐ K. REACTIVE
☐ L. INCOMPATIBLE
☐ M. NOT APPLICABLE

CATEGORY	SUBSTANCE NAME	D1 GROSS AMOUNT	D2 UNIT OF MEASURE	D3 COMMENTS
SLU	SLUDGE	1800	cu yds/yr	Grinding Sludge (non-hazardous per EPA Toxicity test)
OLW	OILY WASTE	80,000	gals/yr	Hydraulic oil, Lube oil (non-hazardous per EPA tox test)
SOL	SOLVENTS	40,480	lbs/yr	Spent trichloroethylene from degreasing
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

[illegible]

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE IL 02 SITE NUMBER RD079152518

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: ~ 11400

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

The potential for groundwater contamination seems low due to the file review. However, any spills of trichloroethylene will cause problems. Once TCE enters the subsurface environment, this substance will not biodegrade at a rapid rate. Dilution will play the most important role. Trichloroethylene in the upper soil layer may biodegrade due to UV radiation; however, once it enters the groundwater it will persist for some time.

01 ☒ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: ~ 11400

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

This potential is again connected to spillage. Any spills outside the storage building may end up in the cooling pond and if this cooling pond is hydraulically connected with Spring Creek, the creek may become contaminated. Only if spills happen around the cooling pond will there be problems because most of the site is "flat" and activities take place ~100 ft from the creek.
NOTE: TCE sinks in water

01 ☒ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: ~ 11400

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION NOTE: DEPENDS ON WEATHER CONDITIONS!

The only way major air contamination will occur is if the spent trichloroethylene storage building goes up in flames. Poisonous gases are formed in a fire. Minor onsite air contamination may occur from TCE spills because ultraviolet radiation and contact with hot metal (i.e. forklift engine compartment) will cause TCE to decompose to chlorine gas, hydrogen chloride, phosgene.

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

NONE

01 ☐ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

NONE - spent trichloroethylene is containerized and stored inside a small storage building south of the main building

01 ☐ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: _____
(Acres)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

NONE - TCE biodegrades due to contact with ultraviolet radiation to form the following products: chlorine gas, hydrogen chloride, phosgene. Only if TCE is spilled on the soil and is sampled within a few hours will it be detected.

01 ☐ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

NONE - site is downstream from Decatur's intake for drinking water.

01 ☒ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: Unknown

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

Potential injury/exposure is possible if workers do not handle the waste correctly. Workers should wear gloves and protective gloves and a fullface mask with organic cartridges in high vapor concentration areas. Prolong or repeated skin contact will cause dermatitis. Acute exposure: dizziness, headache, irregular heartbeat, etc. Poisonous gases formed when TCE is exposed to UV radiation, hot metal, and fire

01 ☐ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

NONE - unless TCE (spent) storage building goes up in flames: SEE CONTAMINATION OF AIR SECTION



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IL IL 0074152518

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

NONE

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

NONE

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

NONE: non-accumulative

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff/standing liquids/leaking drums)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

NONE

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

NONE

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

The site is located within the city limits, therefore, should be connected to the sewer line. A major spill of trichloroethylene may knock out the treatment system. This spill would have to be a major one; however, site does not use that type of quantity of TCE.

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

NONE

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: ~11 400

IV. COMMENTS

Site builds automobile air conditioning compressors. Vapor degreasers utilizing TCE are used to clean metal parts. Spent TCE is shipped to a recycling facility along with waste oils. Spent TCE is not stored for more than 90 days. State conducted RCRA inspection and found the following violations: no contingency plan, no copies of plan to emergency response group, no training records, manifest documents lacked certain data (info) and the SPC plan does not address hazardous waste.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Illinois Environmental Protection Agency Central Region file - Springfield